



Sequence PC19084 12192003.ST25.txt
SEQUENCE LISTING

<110> Agouron Pharmaceuticals, Inc./A Pfizer Company
<120> PIN1 PEPTIDYL-PROLYL ISOMERASE POLYPEPTIDES, THEIR CRYSTAL STRUCTURES, AND
USE THEREOF FOR DRUG DESIGN
<130> PC19084A
<140> 10/616,003
<141> 2003-07-08
<150> US 60/394,889
<151> 2002-07-09
<160> 11
<170> PatentIn version 3.1
<210> 1
<211> 423
<212> DNA
<213> Artificial
<220>
<223> PPlase
<400> 1
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cacagccagt cacggcggcc ctcgtcctgg cggcaggaga agatcacccg gaccaaggag 180
gaggccctgg agctgatcaa cggctacatc cagaagatca agtcgggaga ggaggacttt 240
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gccttcagca gaggtcagat gcagaagcca tttgaagacg cctcgtttgc gctgcggacg 360
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<210> 2
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<212> PRT
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<400> 2
Gly Ser His Met Gly Lys Asn Gly Gln Gly Glu Pro Ala Arg Val Arg
1 5 10 15
Cys Ser His Leu Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser
20 25 30

Sequence PC19084_12192003.ST25.txt

Trp Arg Gln Glu Lys Ile Thr Arg Thr Lys Glu Glu Ala Leu Glu Leu
35 40 45

Ile Asn Gly Tyr Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu
50 55 60

Ser Leu Ala Ser Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly
65 70 75 80

Asp Leu Gly Ala Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp
85 90 95

Ala Ser Phe Ala Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr
100 105 110

Asp Ser Gly Ile His Ile Ile Leu Arg Thr Glu
115 120

<210> 3
<211> 422
<212> DNA
<213> Artificial

<220>
<223> PPlase

<400> 3
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acagccagtc acggcggccc tcgtcctggc ggcaggagca gatcaccgag acccaggagg 180
aggccctgga gctgatcaac ggctacatcc agaagatcaa gtcgggagag gaggactttg 240
agtctctggc ctcacagttc agcgactgca gctcagccaa ggccagggga gacctgggtg 300
ccttcagcag aggtcagatg cagaagccat ttgaagacgc ctcgtttgag ctgcggacgg 360
gggagatgag cgggcccgtg ttcacggatt ccggcatcca catcatcctc cgcactgagt 420
ga 422

<210> 4
<211> 123
<212> PRT
<213> Artificial

<220>
<223> PPlase

<400> 4

Gly Ser His Met Gly Lys Asn Gly Gln Gly Glu Pro Ala Arg Val Arg
1 5 10 15

Sequence PC19084 12192003.ST25.txt

Cys Ser His Leu Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser
20 25 30

Trp Arg Gln Glu Gln Ile Thr Arg Thr Gln Glu Glu Ala Leu Glu Leu
35 40 45

Ile Asn Gly Tyr Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu
50 55 60

Ser Leu Ala Ser Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly
65 70 75 80

Asp Leu Gly Ala Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp
85 90 95

Ala Ser Phe Ala Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr
100 105 110

Asp Ser Gly Ile His Ile Ile Leu Arg Thr Glu
115 120

<210> 5
<211> 36
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 5
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36

<210> 6
<211> 30
<212> DNA
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<220>
<223> Primer

<400> 6
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30

<210> 7
<211> 119
<212> PRT
<213> Artificial

<220>
<223> PPlase domain

<400> 7

Sequence PC19084 12192003.ST25.txt

Gly Lys Asn Gly Gln Gly Glu Pro Ala Arg Val Arg Cys Ser His Leu
1 5 10 15

Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser Trp Arg Gln Glu
20 25 30

Lys Ile Thr Arg Thr Lys Glu Glu Ala Leu Glu Leu Ile Asn Gly Tyr
35 40 45

Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu Ser Leu Ala Ser
50 55 60

Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu Gly Ala
65 70 75 80

Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp Ala Ser Phe Ala
85 90 95

Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr Asp Ser Gly Ile
100 105 110

His Ile Ile Leu Arg Thr Glu
115

<210> 8
<211> 44
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 8
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44

<210> 9
<211> 44
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 9
gtccagggc ctctcctgg gtccgggtga tctgctcctg ccgc

44

<210> 10
<211> 119
<212> PRT
<213> Artificial

<220>
<223> PPlase domain

Sequence PC19084 12192003.ST25.txt

<400> 10

Gly Lys Asn Gly Gln Gly Glu Pro Ala Arg Val Arg Cys Ser His Leu
1 5 10 15

Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser Trp Arg Gln Glu
20 25 30

Gln Ile Thr Arg Thr Gln Glu Glu Ala Leu Glu Leu Ile Asn Gly Tyr
35 40 45

Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu Ser Leu Ala Ser
50 55 60

Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu Gly Ala
65 70 75 80

Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp Ala Ser Phe Ala
85 90 95

Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr Asp Ser Gly Ile
100 105 110

His Ile Ile Leu Arg Thr Glu
115

<210> 11

<211> 11

<212> PRT

<213> Artificial

<220>

<223> Pintide where the serine is a phosphorylated

<400> 11

Phe Leu Trp Phe Tyr Pro Ser Pro Phe Leu Glu
1 5 10